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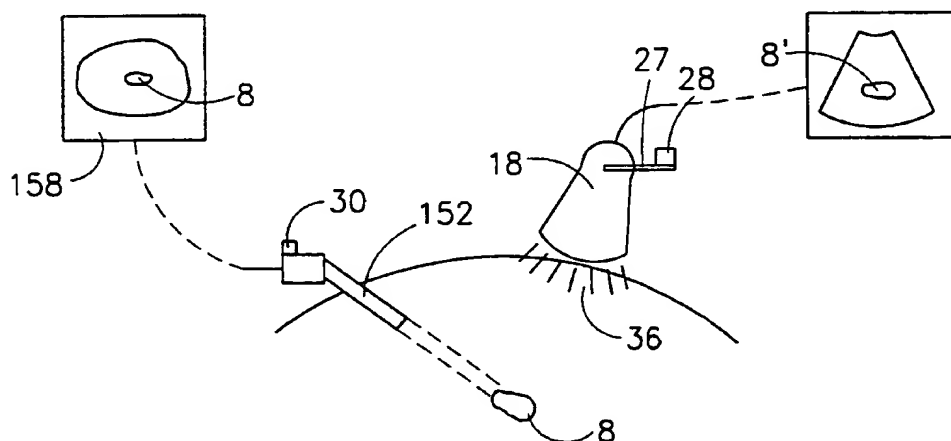
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[Continued on next page]

(54) Title: **APPARATUS AND METHODS FOR MEDICAL DIAGNOSTIC AND FOR MEDICAL GUIDED INTERVENTIONS AND THERAPY**



(57) Abstract: The apparatus, and methods introduced in the present invention are enabled to measure the relative position between different medical imaging devices (18)(152), between the image planes, and/or image volumes produced by them by means of using a position measuring system based with attachable position measuring components (28)(30). This facilitates image fusing when images of the same plane/volume are available from different medical imaging systems. Additionally/alternately it enables to position a second medical imaging device over a desire area/volume according to information received from the image produced by the first medical imaging device.

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INTERNATIONAL SEARCH REPORT

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PCT/IL00/00202**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(7) :A61B 8/00

US CL :600/427

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 128/899; 600/407, 417, 427, 429, 439, 446, 459, 461; 606/130

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 97/03609 A (PALTIELI) 06 February 1997, entire document.	1-38
Y	US 5,529,070 A (AUGUSTINE et al.) 25 June 1996, Figs. 5-7, and col. 6 line 31 to col. 7 line 9.	1-38
Y	US 5,662,111 A (COSMAN) 02 September 1997, Figs. 4-7, col. 6 lines 9-49, and claims 1-9.	1-38
Y	US 5,829,444 A (FERRE et al.) 03 November 1998, Figs. 8-13, col. 5 lines 40-52, col. 6 lines 3-8, and col. 7 lines 11-39.	1-38



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See patent family annex.

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